

UNITED STATES DEPARTMENT OF AGRICULTURE
Agriculture Research Service
Entomology Research Branch
April 14, 1954

APR 19 1954

Postbox 85
Curacao, N. A.

To: R. C. Bushland

From: A. H. Baumhover

Subject: Weekly report--Curacao

EGG MASS COLLECTIONS AND FLY RELEASE DATA

Number of fertile and sterile egg masses at goat pens: Number of males released

Date	1		2		3		4		5		6		7		8		9		10		
	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	
4/7	1	1	5	0	1	1	1	0	3	0	3	1	0	0	1	0	1	0	0	0	
8	1	0	4	0	2	0	0	0	3	1	0	1	1	0	2	0	0	0	4	0	9,200
9	0	0	4	1	3	0	4	0	1	0	1	1	0	0	4	0	1	0	1	0	14,600
10	1	1	7	0	1	1	2	0	1	0	0	0	1	0	1	0	1	0	2	0	
11	1	0	2	0	1	0	1	1	2	0	6	0	0	0	2	0	0	0	0	0	
12	0	0	2	0	0	1	2	0	0	0	3	0	2	0	0	0	1	0	0	1	
13	<u>1</u>	<u>0</u>	<u>2</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>2</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>0</u>	10,450
Total	5	2	26	2	9	4	12	4	12	1	14	3	4	0	10	0	4	0	8	1	

The number released on April 13 is somewhat greater than the 8500 scheduled due to a final emergence percent of 95-- not anticipated at the time of release.

A. H. Baumhover

cc: A. W. Lindquist
A. J. Graham
G. W. Eddy

UNITED STATES DEPARTMENT OF AGRICULTURE
Agriculture Research Service
Entomology Research Branch
April 20, 1954

APR 23 1954

Postbox 85
Curacao, N. A.

To: R. C. Bushland

From: A. H. Baumhover

Subject: Weekly Report--Curacao

EGG MASS COLLECTIONS AND FLY RELEASE DATA																		Number of males released			
Number of fertile and sterile egg masses at goat pens																					
Date	1		2		3		4		5		6		7		8		9		10		Total
	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S			
4/14	1	0	3	2	2	0	1	1	2	2	4	0	3	3	1	0	2	1	0	0	28
15	1	0	2	1	2	0	2	1	0	0	2	0	3	0	3	0	0	0	1	0	18
16	3	1	1	1	3	1	2	0	1	0	1	3	2	0	5	0	2	1	1	1	29
17	6	0	4	1	3	0	0	0	3	0	3	0	2	1	2	2	7	0	0	0	34
18	1	2	4	0	5	2	4	0	2	0	2	0	0	0	1	0	3	0	3	0	29
19	<u>3</u>	<u>1</u>	<u>5</u>	<u>1</u>	<u>8</u>	<u>5</u>	<u>2</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>6</u>	<u>1</u>	<u>2</u>	<u>0</u>	<u>2</u>	<u>1</u>	<u>4</u>	<u>0</u>	<u>5</u>	<u>0</u>	<u>47</u>
TOTAL	15	4	19	6	23	8	11	2	9	2	18	4	12	4	14	3	18	2	10	1	185
Total fertile 10 pens--										149	Percent sterility--										19.4%
Total sterile 10 pens--										36											

185

You will note a significant increase in egg mass collections for the island as a whole--an average daily total of 17.3 masses for the period 4/7-13 inc. compared to 30.8 for 4/14-19 inc. However, the percent sterility for these periods was 14.0 and 19.4 respectively.

In view of the population increase (possibly due to recent showers) I think the Orlando personnel should be alerted to furnish 300 sterile males per square mile per week (1,020 sacks per week) beginning with the May 1st shipment. Four weeks release at the 100/sq.mi./wk would be completed at this time. Possibly we could obtain worthwhile information by releasing 200/sq.mi./wk. on one-half of the island and 400/sq.mi./wk. on the other half.

The KLM pilots have re-emphasized their desire for a regular schedule of release, since there is currently a shortage of pilots and in addition the irregularity interferes with plans for the use of their free time.

cc: A.W. Lindquist, A.J. Graham, G. W. Eddy

A. H. Baumhover

APR 23 1954

UNITED STATES DEPARTMENT OF AGRICULTURE
 Agricultural Research Service
 Entomology Research Branch
 April 20, 1954

Box 20
 Lincoln, N. A.

To: S. C. Linsland
 From: A. W. Bannister
 Subject: Weekly Report--Sterility

Number of males released

Number of fertile and sterile egg masses at each date

	1	2	3	4	5	6	7	8	9	10	Total
14	1	0	3	2	1	1	3	1	0	2	18
15	1	0	2	1	0	0	0	0	0	0	18
16	3	1	1	3	1	0	0	0	0	1	29
17	0	4	1	0	0	0	0	0	0	0	24
18	1	0	0	0	0	0	0	0	0	0	29
19	3	1	0	0	0	0	0	0	0	0	47
TOTAL	10	5	5	5	2	0	0	0	0	0	188

Total fertile 10 percent-- 148
 Total sterile 10 percent-- 38
 188

Percent sterility-- 19.4%

You will note a significant increase in egg mass collections for the island as a whole--an average daily total of 17.8 masses for the period 4/1-13 inc. compared to 30.8 for 4/14-19 inc. However, the percent sterility for these periods was 14.0 and 19.4 respectively.

In view of the population increase (possibly due to recent showers) I think the Orlando personnel should be alerted to furnish 300 sterile males per square mile per week (1,000 males per week) beginning with the May 1st shipment. Four weeks release at the 1000/acre rate would be completed at this time. Possibly we could obtain worthwhile information by releasing 3000/acre on one-half of the island and 4000/acre on the other half.

The KLM pilots have re-emphasized their desire for a regular schedule of release, since there is currently a shortage of pilots and in addition the irregularity interferes with plans for the use of their free time.

A. W. Bannister, A. J. Graham, G. W. Eddy

UNITED STATES DEPARTMENT OF AGRICULTURE
Agriculture Research Service
Entomology Research Branch
April 27, 1954

MAY 3 1954

Postbox 85
Curacao, N. A.

To: R. C. Bushland

From: A. H. Baumhover

Subject: Weekly report--Curacao

EGG MASS COLLECTION AND FLY RELEASE DATA
Number of fertile and sterile egg masses at goat pens

Number
of males
released

Date	1		2		3		4		5		6		7		8		9		10		Totals		
	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S			
4/20	3	2	5	2	7	0	0	0	0	2	7	0	2	0	2	2	4	2	4	0	34	10	
21	3	2	3	0	7	0	0	0	0	0	4	0	5	1	2	0	10	2	1	0	35	5	
22	3	0	1	0	9	0	2	0	0	0	2	0	2	1	0	2	2	2	1	0	22	5	
23	2	0	1	0	5	1	0	0	0	0	2	0	1	0	3	2	4	0	0	0	18	3	8400
24	2	0	0	0	3	2	2	0	1	0	2	0	7	0	5	0	3	0	0	0	25	2	
25	2	0	2	0	5	1	1	0	0	0	2	0	2	2	6	0	5	0	3	0	28	3	
26	<u>2</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>4</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>3</u>	<u>0</u>	<u>5</u>	<u>0</u>	<u>3</u>	<u>0</u>	<u>8</u>	<u>3</u>	<u>2</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>28</u>	<u>3</u>	
Total	17	4	12	2	40	4	6	0	4	2	24	0	22	4	26	9	30	6	9	0	190	31	

Percent sterility--14.3%

A. H. Baumhover

cc: A. W. Lindquist
A. J. Graham
G. W. Eddy

